

DOCUMENT RESUME

ED 292 254

EC 202 036

AUTHOR Frick, Theodore W.; And Others
TITLE Computer-Based Information Management System. Project STEEL. A Special Project To Develop and Implement a Computer-Based Special Teacher Education and Evaluation Laboratory. Volume IV. Final Report.
INSTITUTION Indiana Univ., Bloomington. Center for Innovation in Teaching the Handicapped.
SPONS AGENCY Office of Special Education and Rehabilitative Services (ED), Washington, DC.
PUB DATE 30 Dec 86
GRANT G008301778
NOTE 64p.; For related documents, see EC 202 032-035.
PUB TYPE Reports - Descriptive (141)

EDRS PRICE MF01/PC03 Plus Postage.
DESCRIPTORS Computer Assisted Testing; *Computer Managed Instruction; *Databases; Demography; Higher Education; *Mild Disabilities; *Preservice Teacher Education; Recordkeeping

ABSTRACT

The document is part of the final report on Project STEEL (Special Teacher Education and Evaluation Laboratory) intended to extend the utilization of technology in the training of preservice special education teachers. This volume focuses on the fourth of four project objectives, the development and preliminary evaluation of a computer-based management system. The STEEL Information Management System maintains three primary types of information bases on students enrolled in the undergraduate special education (mildly handicapped) program at Indiana University: (1) demographic information; (2) observational data collected in field experience situations; and (3) test performance obtained using the STEEL computer-based testing system. The system was developed using Scientific Information Retrieval database management software. Each student is individually identified and all data records linked to that individual's case identification number. Student information is accessed through currently developed functions designed for faculty use. Sample functions include: accessing the mail system, adding observation data to the student database, updating a student profile, and summarizing a student's observation data. A typical user interaction session is also provided. (Author/DB)

* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *

ED 292254

✓ This document has been reproduced as
received from the person or organization
originating it.

□ Minor changes have been made to improve
reproduction quality.

• Points of view or opinions stated in this docu-
ment do not necessarily represent official
OERI position or policy.

FINAL REPORT

Department of Education Grant No. G008301778

Project No. 029KH30094

VOLUME IV

A SPECIAL PROJECT TO DEVELOP AND IMPLEMENT A COMPUTER-BASED SPECIAL TEACHER EDUCATION AND EVALUATION LABORATORY:

Computer-Based Information Management System

Principal Investigators:

Theodore W. Frick, Lewis J. Polsgrove,
and Herbert J. Rieth

Center for Innovation in Teaching the Handicapped

Dr. Lewis Polsgrove, Director and
Professor, Special Education

School of Education
Indiana University
Bloomington

EC 202036

Project STEEL Final Report

OVERVIEW

This report describes developed products, research, and evaluation regarding the computer-based Special Teacher Education and Evaluation Laboratory (STEEL) at the Center for Innovation in Teaching the Handicapped (CITH), School of Education, Indiana University, Bloomington. Four major goals were achieved in Project STEEL:

I. Development, implementation, and evaluation of a microcomputer-based observation system for codification, storage, and summarization of special education trainees' classroom teaching performances (STEEL/MBOS);

II. Development, field testing, and evaluation of computer literacy training procedures and materials for preservice and inservice special education teachers (STEEL/COLT);

III. Development, implementation, and evaluation of a computer-based testing system for assessing teacher knowledge (STEEL/CBTS); and

IV. Development and preliminary evaluation of a computer-based information management system for storing and retrieving data on special education teachers' performances during their preservice training program (STEEL/IMS).

Comprehensive descriptions of each of these major accomplishments are provided in four separately bound reports (Volumes I through IV, respectively). A fifth separately bound report contains the executive summary of Volumes I through IV, and should be read first.

This document contains Volume IV only.

ACKNOWLEDGMENTS

The principal investigators are especially grateful to Mr. Robert Eckert for his major contributions to the design and development of the STEEL/IMS software.

TABLE OF CONTENTS

Abstract	1
STEEL Information Management System (STEEL/IMS).	2
Components of the STEEL/IMS.	6
Figure 1: Major Development Activities.	7
Evaluation	8
Function 1: Access the Mail Service	14
Function 2: Develop the Mail Service.	17
Function 3: Develop the Student Database.	17
Function 4: Add Observation Data to the Student Database.	17
Function 11: Create/Update a Student Profile	18
Function 12: Purge a Student Profile	20
Function 13: Report the Student Profiles	21
Function 14: Update a Student Observation Header	22
Function 21: Report the Obs. Collection Status (by observer)	23
Function 22: Report the Obs. Collection Status (by student no.).	24
Function 23: Report the Obs. Collection Status (by student name)	25
Function 31: Summarize A Student's Observation Data.	26
Function 32: Summarize A Student's Checklist Data.	28
Function 33: Summarize Each Student's Observation Data	31
Function 34: Summarize Each Student's Checklist Data	33
Function 35: Summarize All Student's Observation Data.	36
Function 36: Summarize All Student's Checklist Data.	38
Function 41: Report A Student's CRT Data	41
Function 42: Report Each Student's CRT Data.	42
Function 43: Analyze CRT Items	45

Function 91: Store the Student Database on Magnetic Tape	46
Function 92: Restore the Student Database from Magnetic Tape . . .	46
Function 93: Store the Mail Service on Magnetic Tape	47
Function 94: Restore the Mail Service from Magnetic Tape	47
Function 95: Print the Activity Log.	47
Function 96: Purge the Activity Log.	48
Function 97: Print the Access Log.	48
Function 98: Purge the Access Log.	48
Individual "Help" Screens (Integral Training System)	50

ABSTRACT

STEEL Information Management System (STEEL/IMS)

The STEEL Information Management System maintains three primary types of information bases on students enrolled in the undergraduate Special Education (mildly handicapped) program at Indiana University: (1) demographic information, (2) observational data collected in field experience situations, and (3) test performance information obtained using the STEEL/CBTS. The STEEL/IMS was developed using Scientific Information Retrieval (SIR) database management software. Each student is uniquely identified and all of the aforementioned data records are linked to that individual's case identification number.

Student information is accessed through currently developed functions. Each function was designed for faculty use, to extract pertinent information for a number of purposes. The overall system and each individual function will be described in greater detail in the following report.

STEEL Information Management System (STEEL/IMS)

A STEEL Information Management System (STEEL/IMS) Data Reporting Component prototype was developed as part of the project activities. The STEEL/IMS Data Reporting Component sorts and stores incoming data from the data collection component into sets of records, one set for each source of data.

Examples of specific data record sets include: observational information collected on students' teaching performance in classroom settings using the Epson HX-20 portable computers; demographic and program-related information on students enrolled in the special education teacher education program; and criterion test performance data. Other relevant data fields can be added to extend the current database and/or to adapt it to other situations as the need arises.

The computer hardware which supports the STEEL/IMS data reporting component is the Control Data CYBER 800/855, part of the Bloomington Academic Computing System (BACS) at Indiana University. The CYBER 855 is accessed through the BACS interactive communications network (based on Sytek Corp. products) by means of terminals located at the Center for Innovation in Teaching the Handicapped as well as many other campus locations. The Sytek system also supports access from locations outside the BACS campus environment through terminals or microcomputers connected to standard communications modems and telephone lines.

The STEEL/IMS data reporting component software consists of 2 levels. The first level is a high-level language program written on the CYBER 855 which serves as a multi-level security screen and information request processor. This program (i.e., level) can be termed the

STEEL/IMS Request Processor. It is through this level that all requests by faculty and/or students are made for information residing in the STEEL/IMS database record sets.

The second (and lower) level is the database management system software itself. The data management capabilities required to administer the wide variety of data sources that exist within the STEEL/IMS are many. Two major functions of a database management system (DBMS) are, of course, data storage and retrieval. The DBMS should provide a variety of means for inputting, modifying, deleting and in general, controlling the contents of a data file. Data needs to be described in terminology meaningful to those acting as data reporting coordinators. A DBMS must be able to handle different kinds of data records easily and must provide for the description and input of missing data values. It must be possible to change a single data item or an entire group of data items by those authorized to do so. The data reporting coordinator(s) should be able to carry out these data input and modification activities at any time.

The data retrieval capabilities of a DBMS should enable the coordinators to design both simple and highly complex retrievals in a straightforward manner. Those in charge of designing data reports should be able to take advantage of logical relationships in the data to make retrievals more efficient. After information is retrieved, the DBMS should provide report generating procedures for the production of simple or complex reports. It should also provide facilities for data which has been retrieved to be used as input to other computer programs to perform statistical analyses on the data.

A crucial consideration of any DBMS, especially one involving student data like that found in the STEEL/IMS, is the protection of the integrity and security of the data. The database must prevent confidential information from being accessed by unauthorized individuals.

Finally, a data base management system should not burden the data reporting coordinators with learning a new and unfamiliar data retrieval language. It should be able to provide all of the capabilities listed above through a language structure that is either already familiar or can be learned without extensive study.

The Scientific Information Retrieval System (SIR) (Robinson, Anderson, Cohen, Gazdzik, Karpel, Miller & Stein, 1980) is a database management software product of SIR, Inc., which is supported by BACS. The SIR System addresses all of the above considerations with a high degree of competence and flexibility. For this reason, it was selected as the most appropriate available software program for use in developing the STEEL/IMS.

Regarding security issues, SIR provides several types of security locks to restrict access to confidential data. The entire data base is protected by a password which must be correctly stated (by either the data reporting coordinator or the STEEL/IMS Request Processor software) in order to gain access.

Within the data base itself, the data reporting coordinator can define 31 different security levels (0 to 30) which can be applied to an entire record type or to an individual item within a record. Furthermore, the coordinators can specify different levels of security for the reading or writing of a record or item. During a SIR data

retrieval, a user will not be allowed access to any records or variables unless a sufficiently high level security password has been supplied to the STEEL/IMS Request Processor. If records which are being input to SIR are not accompanied by an appropriate security level password, the records will be rejected. In the case of a SIR retrieval, the entire retrieval will not be performed. Thus, by the judicious application of security levels (in the STEEL/IMS Request Processor and within the SIR System itself), the data reporting coordinator can give appropriate access to the STEEL/IMS record sets by students, faculty and other STEEL participants. At the same time, the integrity of the data base and the confidentiality of the data can be maintained.

Regarding the flexibility of data retrieval, data coming from the data collection component is added to the STEEL/IMS database using SIR. SIR is a case-oriented data base management system. A case is a collection of data records of one or more types which are stored for a single subject. Each case in a SIR data base is identified by a unique case identifier value, also called a case id. In the STEEL/IMS data base, the case ID is the student's identification, i.e., social security number.

SIR can be instructed to organize data in such a manner as to allow the data reporting coordinator to establish hierarchical or network relationships between disparate groups of data items, such as those which are found in the STEEL/IMS. Because of this ability, the SIR database format facilitates multiple use, depending on the unique needs of the user. Flexibility is ensured, and the structure of the data entered into the STEEL/IMS database is much less likely to become outmoded or stagnant over time.

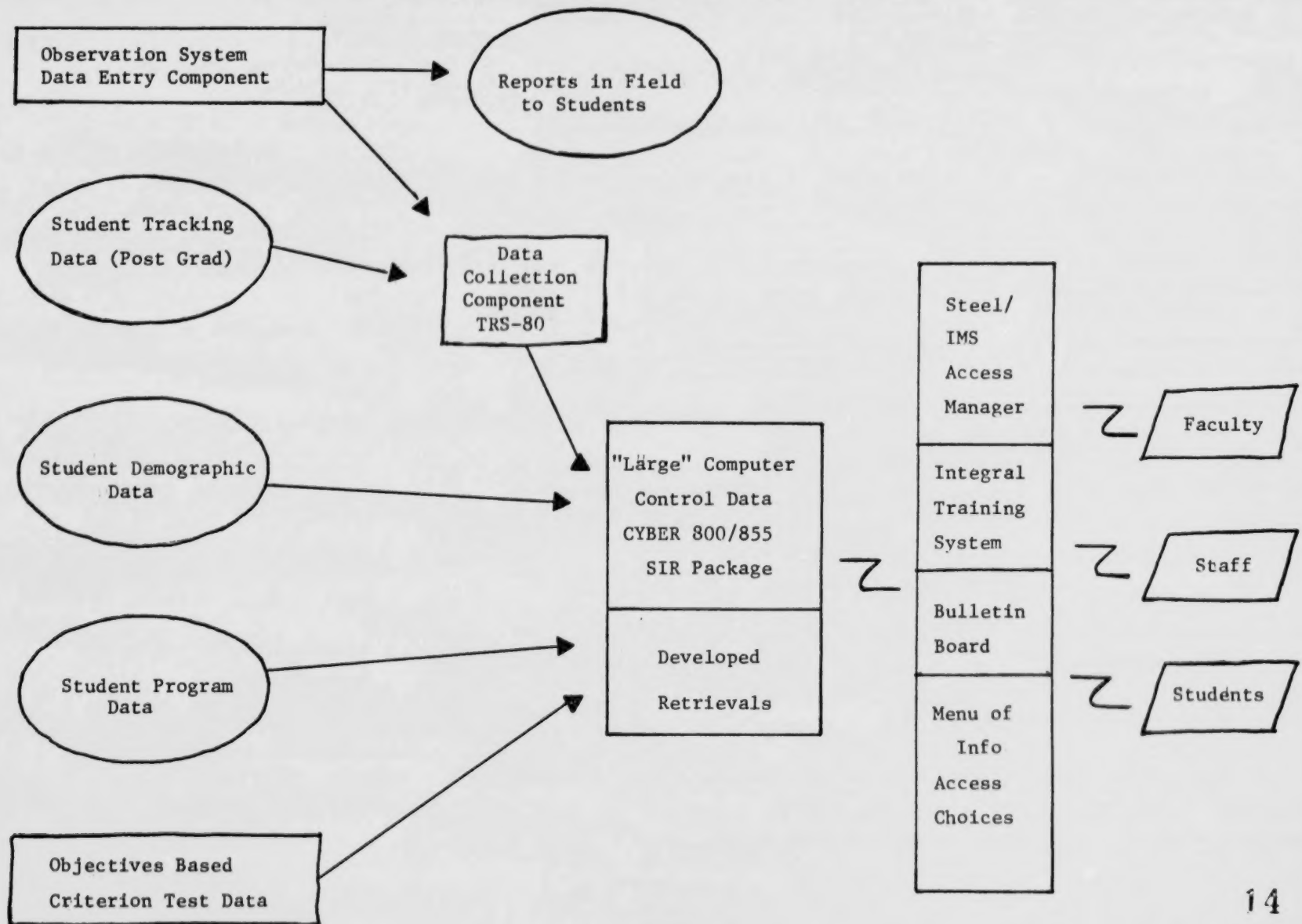
The SIR system is also available on many different popular mainframe and superminicomputer systems, allowing different audiences to implement the STEEL/IMS model or modified versions of it in varied environments. In other words, replications need not be totally dependent upon the prototype developed at CITH.

Components of the STEEL/IMS

After obtaining access to the CYBER 855, a typical user will automatically begin interacting with the STEEL/IMS Request Processor software. At this time, security levels are established and, based on the permitted activities corresponding to the assigned security level, a menu will be shown on the screen. The user can then choose the desired option.

Figure 1 shows the various components and the flow of data through the entire STEEL Information Management System (STEEL/IMS). This diagram, in fact, depicts the major development activities of the STEEL project. Various sources of information were generated and fed into the mainframe computer housing the SIR database. Software programs allowing faculty, staff, and (in some instances) students to access, interact with, and retrieve information from the database were written, some of which include the STEEL/IMS access manager, the Integral Training System, the Bulletin Board, and various system menus. As described in previous sections of this report, the observation system can be used to generate immediate reports to students in the field on their performance; summaries of these data are then input via office staff, using microcomputer-modem hookups, directly into the mainframe database. Student demographic, program and post-graduation data are also fed into

Figure 1 STEEL Information Management System (SIMS)



the database. In addition, student course performance data from computer-based criterion-referenced tests are also input into the database. Data from these various sources are then accessed by users.

Evaluation

The STEEL/IMS has been used successfully over a period of two and one-half years. Although formative evaluation was conducted primarily "in house" with project staff, summative evaluation has demonstrated the system to be authentic, i.e., it has been validated to the extent that all programs are functional. No serious flaws were discovered during use. There was limited access to the system by faculty members because development took longer than anticipated, but interest has been expressed in using the system and even adapting it to more specialized functions within the Special Education department. In addition, other departments throughout the University have expressed interest in the system, as well as other universities who heard about it through project dissemination efforts.

The following pages depict a typical users' log-on procedure, with the various CRT screen displays generated by STEEL/IMS shown as hardcopy. In addition, screen displays which provide in-depth function descriptions as well as help screens which comprise the Integral Training System are also provided. Input generated by the user is circled for ease of interpretation. All other text displays are generated by the STEEL Information Management System.

To access the Special Teacher Education and Evaluation Laboratory Information Management System (STEEL/IMS), you first "call" the computer where the IMS is resident. The process by which this is done is shown below. In this example, the Cyber 855 has been "called," because the STEEL/IMS is located on this mainframe computer. Once the host computer has been reached, you indicate your user, i.e., account, name and password. When the database is successfully accessed, your identifying initials (UJN) are entered and a two hour time limit is allocated. From this point, the instructions for interacting with the STEEL Information Management System (SIMS) are self-explanatory.

LOCALNET 20/222 V2.2.5+COPYRIGHT (C) SYTEK 1984

```
#call 200
# CALL COMPLETED TO 0200,4
WELCOME TO THE NOS SOFTWARE SYSTEM.
COPYRIGHT CONTROL DATA 1978, 1985.
```

```
86/10/14. 09.32.01. TS24
(01) INDIANA UNIVERSITY CDC 855.      NOS 2.4.3-647/642.
FAMILY:
USER NAME: rieth
PASSWORD:
```

```
JSN: AGCV, NAMIAF
86/10/14. 09.32.18.
Enter UJN (YOUR INITIALS - 3 CHAR. MAX) ? seh
83/07/24. 17.11.35.
* E N D - B A C S NEWS AND INFORMATION - E N D *
```

NEWS COMPLETE.

```
Welcome to the STEEL Information Manasement System!
When you see the '/' prompt, type: SETXL<RETURN>
(<RETURN> stands for the RETURN key.)
This will set your login time limit to 2 hours.
After you do this, type: -SIMS<RETURN>
Thank You!
/setxl
LIMIT CHANGED TO 120 MINUTES.
119.5 MINUTES LEFT UNTIL LOG OFF.
-sims
```

```
Welcome to the STEEL Information Manasement System! (STEEL/IMS)
Would you like an introduction? [Y=Yes, N=No, *=EXIT] ? y
```

Individuals familiar with operational procedures for interacting with the STEEL/IMS have the option to bypass the introduction by pressing "N" for No. However, for those unfamiliar with the IMS, a brief explanation of the different conventions is available, accessed by pressing "Y" for Yes. The Introduction screen is shown below. After the initial information is presented, you are asked to identify the type of terminal you are using. A list of possible options is available by pressing the question mark key (?), a convention available throughout the IMS.

The STEEL/IMS allows authorized users to access a variety of information regarding special education students and use this information in counseling, examining group trends, assessing teaching and classroom management behaviors and many other instructional applications. The STEEL/IMS also allows users to interact with other individuals via an electronic bulletin board.

There are two standard conventions which are used throughout the STEEL/IMS. If you are given a prompt which requires further explanation, pressing the question mark key and then the [RETURN] key will provide more information. If you wish to exit from a given prompt, pressing the asterisk key and then the [RETURN] key will return you to the STEEL/IMS Request Processor.

Typographical errors are corrected in different manners when interacting with the STEEL/IMS, depending upon the type of terminal you are working from. On many terminals, the [BACKSPACE] key will move the cursor over the incorrect letter(s), and you simply have to retype them correctly. On terminals with no [BACKSPACE] key, you need to press the [CTRL] and [H] keys simultaneously to backspace. On TRS-80 or other models of microcomputers, the [LEFT ARROW] key is often used to backspace to enable you to re-type incorrect characters.

What type of terminal are you using? [?=HELP, *=EXIT] ? ?

If you wish to exit, type an * (asterisk) and press the [RETURN] key.

Otherwise, locate the name of the type of terminal you are using in the list shown below, type it and press the [RETURN] key.

Name	Description
----	-----
TI765	Texas Instruments 765 Portable
VT100	DIGITAL VT100
GIGI	DIGITAL GIGI
VT240	DIGITAL VT240 or VT241
VT220	DIGITAL VT220
VT52	DIGITAL VT52, HEATH/ZENITH H/Z-19
TRS4	Tandy TRS-80 Model 4/4P (using COMM software)
OTHER	any other type

What type of terminal are you using? [?=HELP, *=EXIT] ? other

After you have indicated the terminal type, you are asked three questions before being allowed to access the IMS. First, your User Name is requested. For purposes of the STEEL/IMS, the last names of individuals who might utilize the database are used. Each name has a certain security access level (0-9) assigned to it. With this system, individuals can be selectively assigned access privileges to various functions, while others (generally the developers/database managers) are allowed to access virtually all of the functions. In addition to the user name, a User Password is also requested. This is a unique word known only to the individual accessing the database and the developer. Finally, user initials are requested. If more information is needed on any request, press "?," as shown.

What is your STEEL/IMS User Name? [?=HELP, *=EXIT] ?

In order to access the STEEL Information Management System, you must be issued a User Name by the STEEL/IMS coordinator. If you have been issued a User Name, type it and press the [RETURN] key. If you want to exit, type an * (asterisk) and press the [RETURN] key.

What is your STEEL/IMS User Name? [?=HELP, *=EXIT] ? Hindman

What is your STEEL/IMS User Password? [?=HELP, *=EXIT] ? ?

In order to access the STEEL Information Management System, you must be issued a User Password by the STEEL/IMS coordinator. If you have been issued a User Password, type it and press the [RETURN] key. If you want to exit, type an * (asterisk) and press the [RETURN] key.

What is your STEEL/IMS User Password? [?=HELP, *=EXIT] ? scorpio

What are your initials? (3 letters) [?=HELP, *=EXIT] ? ?

In order to uniquely identify any printed reports which you may request from the STEEL/IMS, it is necessary to obtain your initials. Please type your initials as 3 letters. If you have no middle initial, please use the letter X. If you want to exit, type an * (asterisk) and press the [RETURN] key.

What is your STEEL/IMS User Name? [?=HELP, *=EXIT] ? hindman
What is your STEEL/IMS User Password? [?=HELP, *=EXIT] ? scorpio
What are your initials? (3 letters) [?=HELP, *=EXIT] ? seh
PLEASE WAIT...

Once you have entered this information, the STEEL/IMS Request Processor will be available. Again, if you know the item number you wish to access, you can call it immediately. Those unfamiliar with the system or those who haven't used it in some time may request the function numbers and descriptions by typing "LIST," shown on the following page. After the Functions are listed, each will be described individually, and sample screens shown.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? ?

To see the function list, type: LIST

To see the function explanations, type: EXPLAIN

To select a function, type its number.

To exit, type: * (asterisk)

(Remember to press the [RETURN] key after you finish typing)

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? list

STEEL/IMS REQUEST PROCESSOR FUNCTION LIST

Number	Description
1	= ACCESS the MAIL SERVICE
2	= DEVELOP the MAIL SERVICE
3	= DEVELOP the STUDENT DATABASE
4	= ADD OBSERVATION DATA to the STUDENT DATABASE
11	= CREATE/UPDATE a STUDENT PROFILE
12	= PURGE a STUDENT PROFILE (and all associated information)
13	= REPORT the STUDENT PROFILES
14	= UPDATE a STUDENT OBSERVATION HEADER
21	= REPORT the OBSERVATION COLLECTION STATUS (by observer)
22	= REPORT the OBSERVATION COLLECTION STATUS (by student number)

[C=CONTINUE, *=EXIT] Your choice? c

23	= REPORT the OBSERVATION COLLECTION STATUS (by student name)
31	= SUMMARIZE A STUDENT'S OBSERVATION DATA
32	= SUMMARIZE A STUDENT'S CHECKLIST DATA
33	= SUMMARIZE EACH STUDENT'S OBSERVATION DATA
34	= SUMMARIZE EACH STUDENT'S CHECKLIST DATA
35	= SUMMARIZE ALL STUDENT OBSERVATION DATA
36	= SUMMARIZE ALL STUDENT CHECKLIST DATA
41	= REPORT A STUDENT'S CRT DATA (by course/section/objective)
42	= REPORT EACH STUDENT'S CRT DATA (by course/section/objective)
43	= ANALYZE CRT ITEMS (by course/section/objective)

[C=CONTINUE, *=EXIT] Your choice? c

91	= STORE the STUDENT DATABASE on magnetic tape
92	= RESTORE the STUDENT DATABASE from magnetic tape
93	= STORE the MAIL SERVICE on magnetic tape
94	= RESTORE the MAIL SERVICE from magnetic tape
95	= PRINT the ACTIVITY LOG
96	= PURGE the ACTIVITY LOG
97	= PRINT the ACCESS LOG
98	= PURGE the ACCESS LOG

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ?

Function 1 = ACCESS the MAIL SERVICE

The STEEL/IMS Mail Service was developed to allow electronic transmission of messages. This was a particularly important consideration on the Indiana University Bloomington campus, where the Special Education department and undergraduate program are housed in different buildings. The Mail Service allows recognized users to send information to the entire faculty or to an individual person or persons. Security levels can be established to allow selective reading of messages. The screen which appears when the Mail Service is initially accessed is shown below (Help has been requested for an explanation of the various commands). Additional commands and corresponding screen displays are shown on the following pages.

```
=====
STEEL/IMS Mail Service (C)Copyright 1986 CITH/Indiana University
```

```
STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> ?
```

STEEL/IMS Mail Service Commands

```
U)USERS   List the users of the Mail Service
```

```
M)MAILBOX MAILBOX-NAME
```

```
    Make MAILBOX-NAME the current mailbox
```

```
S)HOW [MAILBOX-NAME]
```

```
    List messages in current mailbox, or optionally in [MAILBOX-NAME]
```

```
R)EAD [MESSAGE-NUMBER]
```

```
    Read most recent message in current mailbox,
```

```
    or optionally with number [MESSAGE-NUMBER]
```

```
REP)LY    Reply to the message just read
```

```
D)ELETE MESSAGE-NUMBER
```

```
    Delete message with MESSAGE-NUMBER from current mailbox.
```

```
    -or-
```

```
D)ELETE FROM-MESSAGE-NUMBER TO-MESSAGE-NUMBER
```

```
    Delete messages in current mailbox with message numbers
    denoted by "FROM-MESSAGE NUMBER" and "TO-MESSAGE-NUMBER"
```

```
S)END     Send a message to another user
```

```
?         View the information you are reading now
```

```
*         Exit the Mail Service
```

STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> u

STEEL/IMS Mail Service Users

BRANTLINGER
 DEVER
 ECKERT
 FRICK
 HINDMAN
 KNAPCZYK
 MCLESKEY
 POLSGROVE
 RIETH
 SOUTHERN
 TYMITZ

11 User(s)

STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> m oldmail
 The current mailbox is now OLDMAIL which has 2 message(s)

STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> r

=====

Mailbox OLDMAIL has 2 message(s)

Number	Date	Time	From	Subject
1	04/05/86	04:09:22PM	ECKERT	FINALIZATION OF THE HELP TEXT

Hi Sara! Leave me a message about when you would like
 to set together to setup the finalization of the
 the help file for STEEL/IMS. -Bob

STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> rep

To: ECKERT

Subject: FINALIZATION OF THE HELP TEXT FOR EXPLAIN COMMAND

Type the text of your message below one line at a time.
 Type an "*" (asterisk) on a line by itself,
 followed by the [RETURN] key to SEND your message/reply.
 Type an "!" (exclamation point) on a line by itself,
 followed by the [RETURN] key to CANCEL your message/reply.

Text> Bob, I can meet anytime after 2:30 p.m. tomorrow. I'll
 Text> be in my office, just come when you can. Sarra
 Text> *

Your message/reply to ECKERT has been SENT

STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> send

To> frick

Subject> k553 test

Type the text of your message below one line at a time.

Type an "*" (asterisk) on a line by itself,

followed by the [RETURN] key to SEND your message/reply.

Type an "!" (exclamation point) on a line by itself,

followed by the [RETURN] key to CANCEL your message/reply.

Text> The items for this test are all in the k553.dal file.

Text> They have all been debugged, and are ready to install.

Text> Sara

Text> *

Your message/reply to FRICK has been SENT

STEEL/IMS MAIL SERVICE READY [?=HELP, *=EXIT]> *

SIR/DBMS EDITOR READY

end SIR/DBMS interactive run.

Function 2 = DEVELOP the MAIL SERVICE

Function 3 = DEVELOP the STUDENT DATABASE

These functions allow the developer to utilize the SIR/DBMS editor interactively to adapt the current mail service and student database functions in respect to changing needs. These functions are generally unavailable to faculty using the STEEL/IMS for general student information and progress reports.

Function 4 = ADD OBSERVATION DATA to the STUDENT DATABASE

This function is used by the database manager to automatically transfer observation data to the STEEL/IMS database. Initially, observation data is collected in field settings using the Epson HX-20 microcomputer and saved on microcassette tapes included in the Epsoms. This data is then transferred to floppy diskettes and electronically transmitted to the STEEL/IMS utilizing this function. The screen display obtained by requesting Function 4 is shown below.

```
STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 4
```

```
ADD OBSERVATION DATA to the STUDENT DATABASE
```

```
Observation Data File Name? [?=HELP, *=EXIT] ? ?
```

The file which you specify is assumed to contain student observation data collected by the STEEL observers and transmitted to the host computer by the STEEL/IMS Manager. Each data file has a unique name which identifies the type of data it contains and the month, day, hour, and minute it was sent to the host computer by the STEEL/IMS Manager. The format of the data file name is shown below:

EXAMPLE: DA01J43

The 'D' indicates that the file contains observation data.

The 'A' indicates the the file was sent in January.

('A'=January, 'L'=December)

The '01' indicates that the file was sent on the January 1.

The 'J' indicates that the file was sent at 10 a.m.

('A'=midnight, 'X'=11 p.m.)

The '43' indicates that the file was sent at 10:43 a.m.

Type the name of the file using the format show above and press the <RETURN> key. Notice that the name is EXACTLY 7 characters.

```
Observation Data File Name? [?=HELP, *=EXIT] ? *
```

Function 11 = CREATE/UPDATE a STUDENT PROFILE

This function is used to create profiles for students entering the program or to update previous student information that may have changed, e.g., local addresses or telephone numbers. This procedure involves identifying the student number of the record you wish to create/update. The records contain information identified as important by the director of the mildly handicapped program but, as previously noted, items may be added or changed as the need arises.

The screen for creating a student profile is shown below, and a sample update screen on the following page. To add/update a specific item, it must be identified by indicating the appropriate item number (located in parentheses). After the new/correct information is recorded, pressing the Return key twice places it in the student record. Items in individual records may be changed as often as necessary.

```
FOR what STUDENT NUMBER? [?=HELP, *=EXIT] > 000000000
Student Number 000000000 is NOT KNOWN to STEEL/IMS.
```

```
Do you wish to MAKE it KNOWN? Y or N > y
There is NO PROFILE for student 000000000
```

```
Do you wish to CREATE a PROFILE? Y or N > y
UPDATE Student PROFILE
```

```
Student Number: 000000000
Name (1) First (2) Middle (3) Last: ***** * *****
Current (4) Street: *****
(5) City (6) State (7) Zip: ***** ** *****
Permanent (8) Street: *****
(9) City (10) State (11) Zip: ***** ** *****
(12) Phone: ***-***-****
(13) Birthdate: *****
(14) Sex:
(15) Special Education Status:
(16) Undergraduate GPA: ****
(17) Grade in K205:
(18) Verbal / (19) Math SAT Score: ***/**
High School (20) Rank / (21) Class Size: ****/****
Recommendation (22) Quality / (23) Scope / (24) Sources: * / * / *
```

```
Type the NUMBER of the item to update, or ALL to update all items.
Type SHOW to show the profile.
Your COMMAND? [*=EXIT] > *
```

CREATE/UPDATE a STUDENT PROFILE
PLEASE WAIT...

Welcome to SIR/DBMS Version 2.1.3.
Good afternoon.

SIR/DBMS EDITOR READY

STEEL/IMS Student Profile Update

FOR what STUDENT NUMBER? [?=HELP, *=EXIT] > 677
UPDATE Student PROFILE

Student Number:	677	
Name (1) First (2) Middle (3) Last:	LYNN	
Current (4) Street:	3053 AMY LN	
(5) City (6) State (7) Zip:	BLOOMINGTON	IN 47401
Permanent (8) Street:	805 BRIAR	
(9) City (10) State (11) Zip:	MUNCIE	IN 47304
(12) Phone:	812-334-1687	
(13) Birthdate:	SEP 19, 1961	
(14) Sex:	FEMALE	
(15) Special Education Status:	MAJOR	
(16) Undergraduate GPA:	2.14	
(17) Grade in K205:	C+	
(18) Verbal / (19) Math SAT Score:	***/**	
High School (20) Rank / (21) Class Size:	****/**	
Recommendation (22) Quality / (23) Scope / (24) Sources:	4 / 4 / 3	

Type the NUMBER of the item to update, or ALL to update all items.
Type SHOW to show the profile.
Your COMMAND? [*=EXIT] > 20

High School Class Rank: ****
[?=HELP] NEW Class Rank? > 56

High School Class Rank: 56
[?=HELP] NEW Class Rank? >

Type the NUMBER of the item to update, or ALL to update all items.
Type SHOW to show the profile.
Your COMMAND? [*=EXIT] > show

UPDATE Student PROFILE

Student Number:	677	
Name (1) First (2) Middle (3) Last:	LYNN	
Current (4) Street:	3053 AMY LN	
(5) City (6) State (7) Zip:	BLOOMINGTON	IN 47401
Permanent (8) Street:	805 BRIAR	
(9) City (10) State (11) Zip:	MUNCIE	IN 47304
(12) Phone:	812-334-1687	
(13) Birthdate:	SEP 19, 1961	
(14) Sex:	FEMALE	
(15) Special Education Status:	MAJOR	
(16) Undergraduate GPA:	2.14	
(17) Grade in K205:	C+	
(18) Verbal / (19) Math SAT Score:	***/**	
High School (20) Rank / (21) Class Size:	56/**	
Recommendation (22) Quality / (23) Scope / (24) Sources:	4 / 4 / 3	

Function 12 = PURGE a STUDENT PROFILE (and all associated information)

This function allows the database manager to purge all records associated with students who, for whatever reason, leave the program. The procedure for doing this is shown below.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 12

PURGE a STUDENT PROFILE (and all associated information)
PLEASE WAIT...

Welcome to SIR/DBMS Version 2.1.3.
Good afternoon.

SIR/DBMS EDITOR READY

STEEL/IMS Student Record Purge

Enter a Student Number or EXIT > 999999999
REALLY PURGE Student Number 999999999
Enter Y for YES or N for NO > y
Student Number 999999999 PURGED
Press RETURN to continue >

STEEL/IMS Student Record Purge

Enter a Student Number or EXIT > 000000000
REALLY PURGE Student Number 000000000
Enter Y for YES or N for NO > y
Student Number 000000000 PURGED
Press RETURN to continue >

STEEL/IMS Student Record Purge

Enter a Student Number or EXIT > exit

SIR/DBMS EDITOR READY
end SIR/DBMS interactive run.

Function 13 = REPORT the STUDENT PROFILES

This function was developed in order to obtain a printed summary of missing student profile data. Because the initial student information was collected from a variety of sources, i.e., the department had not developed a student data survey form, individual records had missing data elements. This function was developed to expedite the identification of missing data and used to update individual student records. Examples of missing data summary profiles are shown below. Student names and identification numbers have been deleted.

Student Number:

**** NO STUDENT PROFILE

Student Number:

First Name: BOB

Middle Initial: *

Last Name:

**** MISSING PERMANENT STREET

**** MISSING PERMANENT CITY

**** MISSING PERMANENT STATE

**** MISSING PERMANENT ZIPCODE

Student Number:

First Name: MONIQUE

Middle Initial: *

Last Name:

**** MISSING K201 GRADE

**** MISSING RECOMMENDATION QUALITY RATING

**** MISSING RECOMMENDATION SCOPE RATING

**** MISSING RECOMMENDATION SOURCES RATING

Function 14 = UPDATE a STUDENT OBSERVATION HEADER

This function was developed to correct inaccurate student observation tape header information. For example, observers might inadvertently enter the same tape number/side twice. Because the SIR information retrieval system does not allow what it recognizes as a duplicate record, the second transmission would fail to be entered into the database. Such problems were observed in the early stages of data collection. To ensure the fidelity of the database, a two-step data transmission procedure was used. The database manager transferred the microcassette tape data to floppy disks, and from disk to the STEEL database. Inaccuracies were identified during this procedure, and corrected using this function. An example of the screen display produced by Function 14 is shown below. Again, names have been removed for reasons of confidentiality.

STEEL/IMS Student Observation Header Update

FOR what STUDENT NUMBER? [?=HELP, *=EXIT] >

Name:

DATE of OBSERVATION? [?=HELP, *=EXIT] > 031386

UPDATE Observation HEADER

Student Number:

Name:

(1) Date of Observation:	MAR 13, 1986
(2) Observer Number:	12
(3) Tape Number:	14
(4) Tape Side:	A
(5) File Number:	1

Type the NUMBER of the item to update, or SHOW to show the header.
Your COMMAND? [*=EXIT] > *

Function 21 = REPORT the OBSERVATION COLLECTION STATUS (by observer)

This function was developed as a means to obtain periodic printouts of observation files collected by field observers and included in the STEEL database. An example of such a report is shown below.

Observer	Tape	Side	File	Date	Student
-----	----	----	----	-----	-----
13	11	A	1	02/13/86	360527781
		A	2	02/13/86	304887914
		A	3	02/18/86	304805334
		A	4	02/20/86	310806416
		A	5	02/20/86	360527781
		B	1	02/20/86	304887914
		B	2	02/27/86	303848201
		B	3	02/27/86	316720979
		B	4	02/27/86	316806578
		B	5	02/27/86	312808924

Observer	Tape	Side	File	Date	Student
-----	----	----	----	-----	-----
13	12	A	1	02/27/86	323523699
		A	2	02/28/86	304805334
		A	3	03/03/86	308820638
		A	4	03/04/86	316802722
		A	5	03/06/86	323523699
		B	1	03/06/86	315742714
		B	2	03/06/86	496583311
		B	3	03/06/86	313841598
		B	5	03/07/86	308820638

Observer	Tape	Side	File	Date	Student
-----	----	----	----	-----	-----
14	11	A	1	02/14/86	308826086
		A	2	02/14/86	304807034
		A	3	02/19/86	316727814
		A	4	02/19/86	309842048
		A	5	02/19/86	312820810
		B	1	02/26/86	308826086
		B	2	03/03/86	315784935
		B	3	03/03/86	310843983
		B	4	03/03/86	312808220
		B	5	03/05/86	309842048

Function 22 = REPORT the OBSERVATION COLLECTION STATUS (by student number)

This function was developed as a means to obtain periodic printouts of observation files on individual students collected by field observers and included in the STEEL database. Student numbers are listed in ascending order. An example of such a report is shown below.

Student	Date	O	T	S	F
-----	-----	---	---	-	-
32352 , KATHRYN A	02/06/86	13	10	A	3
	02/13/86	11	16	A	3
	02/27/86	13	12	A	1
	03/06/86	13	12	A	5

Student	Date	O	T	S	F
-----	-----	---	---	-	-
325428 , BRENDA	02/06/86	12	9	B	2
	02/20/86	11	17	A	2
	02/27/86	12	12	A	3

Student	Date	O	T	S	F
-----	-----	---	---	-	-
33360 , KERRI M	02/11/86	13	10	B	2

Student	Date	O	T	S	F
-----	-----	---	---	-	-
3456875 , KAREN	02/20/86	12	11	A	4
	03/06/86	12	13	B	2

Student	Date	O	T	S	F
-----	-----	---	---	-	-
354663 , SUSAN L	01/30/86	12	9	A	1
	02/10/86	11	15	A	3
	03/04/86	12	12	B	4

Student	Date	O	T	S	F
-----	-----	---	---	-	-
36052 , KARLA S	02/13/86	13	11	A	1
	02/20/86	13	11	A	5
	02/27/86	11	17	B	5

Function 23 = REPORT the OBSERVATION COLLECTION STATUS (by student name)

This function was developed as a means to obtain periodic printouts of observation files on individual students collected by field observers and included in the STEEL database. Student names are listed in alphabetical order. An example of such a report is shown below.

Student	Date	O	T	S	F
-----	-----	---	--	-	-
MONIQUE 8874	02/13/86	12	10	A	2
	03/06/86	11	18	B	2
	03/13/86	12	14	A	2

Student	Date	O	T	S	F
-----	-----	---	--	-	-
SHEILA S 3573	03/06/86	11	18	B	5
	03/13/86	12	14	A	1

Student	Date	O	T	S	F
-----	-----	---	--	-	-
TERESA E 3416	02/13/86	13	10	B	5
	02/20/86	13	11	A	4
	02/27/86	11	18	A	2

Student	Date	O	T	S	F
-----	-----	---	--	-	-
NANCY E 5334	02/18/86	13	11	A	3
	02/26/86	11	17	B	4
	02/28/86	13	12	A	2
	04/04/86	13	13	A	3
	04/11/86	13	13	B	2

Student	Date	O	T	S	F
-----	-----	---	--	-	-
KATHRYN E 3983	01/31/86	14	9	A	3
	02/10/86	14	10	B	5
	02/12/86	11	15	B	5
	03/03/86	14	11	B	3
	04/03/86	13	13	A	2
	04/22/86	13	13	B	5

Student	Date	O	T	S	F
-----	-----	---	--	-	-
ANN M 9554	02/20/86	12	11	A	1
	03/06/86	12	13	B	1

Function 31 = SUMMARIZE A STUDENT'S OBSERVATION DATA

This function is used to aggregate observation information for a particular student within a specified date range. After the function is requested, a prompt is given for a beginning date, followed by a prompt for an end date. After this information is entered, a student number is requested, then all observational data for that student within that time range is aggregated and presented on the screen. An example of such a display is shown below and on the following page.

STEEL/IMS Student Observation Data Summary

FROM what DATE? [?=HELP,*=EXIT] > 09/01/84

Please enter the date as 6 digits in the form MMDDYY, where MM is the 2-digit MONTH, DD is the 2-digit DAY and YY is the 2-digit YEAR.

Example: 010185 = January 1, 1985

FROM what DATE? [?=HELP,*=EXIT] > 090184

TO what DATE? [?=HELP,*=EXIT] > 060586

The current summary period is from SEP 01, 1984 to JUN 05, 1986

FOR what STUDENT NUMBER? [?=HELP,*=EXIT] > . 565

ONE MOMENT PLEASE...

STEEL/IMS Student Observation Data Summary

Period:	SEP 01, 1984 to JUN 05, 1986
Student Number:	565
Name:	ANN
Special Education Status:	MAJOR
Undergraduate GPA:	3.59
Grade in K205:	B+
Recommendation Quality/Scope/Sources:	5 / * / *
Number of Observations (in summary):	9
Amount of Observation Time (in summary):	169.9 minute(s)

OBSERVATION CODE SUMMARY

27

GROUP STRUCTURE	PERCENT	MINUTES
NULL	3.7%	(6.2)
WHOLE GROUP RESPONSIBILITY	54.7%	(93.0)
PARTIAL GROUP RESPONSIBILITY	34.0%	(57.8)
PART GRP RESPNS WITH ADDTL MONITORING	.3%	(.5)
INDIVIDUAL RESPONSIBILITY	7.3%	(12.4)

Press RETURN to continue >

EDUCATIONAL ACTIVITY	PERCENT	MINUTES
NULL	1.7%	(3.0)
ACTIVE INSTRUCTION	64.6%	(109.7)
PASSIVE INSTRUCTION	32.1%	(54.4)
TRANSITION	1.6%	(2.8)

Press RETURN to continue >

TEACHER INSTRUCTIONAL BEHAVIORS	PERCENT	MINUTES
NULL	1.8%	(3.0)
PREPARATION+SUPERVISION	3.7%	(6.3)
OBSERVATIONAL MONITORING	19.4%	(33.0)
STRUCTURING+DIRECTING	30.1%	(51.2)
EXPLANATION+QUESTIONING-PLANNED	29.5%	(50.2)
EXPLANATION+QUESTIONING-NEED	10.8%	(18.3)
EVALUATIVE FEEDBACK	2.4%	(4.1)
TASK ENGAGEMENT FEEDBACK	1.4%	(2.4)
BEHAVIORAL FEEDBACK	.8%	(1.4)

Press RETURN to continue >

STUDENT(S) BEHAVIORS (TARGET GROUP)	PERCENT	MINUTES
NULL	3.9%	(6.7)
ENGAGED-ACTIVE	65.1%	(110.5)
ENGAGED-PASSIVE	22.5%	(38.3)
NON-ENGAGED-ACTIVE	5.7%	(9.7)
NON-ENGAGED-PASSIVE	2.7%	(4.6)

Press RETURN to continue >

STUDENT(S) BEHAVIORS (MONITORED GROUP)	PERCENT	MINUTES
NULL	92.6%	(186.0)
ENGAGED-ACTIVE	4.8%	(9.7)
ENGAGED-PASSIVE	.9%	(1.7)
NON-ENGAGED-ACTIVE	.1%	(.2)
NON-ENGAGED-PASSIVE	1.6%	(3.2)

Press RETURN to continue >

END of SUMMARY - Press RETURN to continue >

The current summary period is from SEP 01, 1984 to JUN 05, 1986

FOR what STUDENT NUMBER? [?=HELP,*=EXIT] > *

STEEL/IMS Student Observation Data Summary

FROM what DATE? [?=HELP,*=EXIT] > *

SIR/DBMS EDITOR READY
 end SIR/DBMS interactive run.

Function 32 = SUMMARIZE A STUDENT'S CHECKLIST DATA

This function is used to aggregated checklist data for a particular student within a specified date range. After the function is requested, a prompt is given for a beginning date, followed by a prompt for an end date. After this information is entered, a student number is requested, then all checklist data for that student within that time range is aggregated and presented on the screen. An example of such a display is shown below and on the following pages.

Welcome to SIR/DBMS Version 2.1.3.
Good mornins.

SIR/DBMS EDITOR READY

STEEL/IMS Student Observation Checklist Summary

FROM what DATE? [?=HELP,*=EXIT] > 090185

TO what DATE? [?=HELP,*=EXIT] 060586

The current summary period is from SEP 01, 1985 to JUN 05, 1986

FOR what STUDENT NUMBER? [?=HELP,*=EXIT] > 279548565

ONE MOMENT PLEASE...

STEEL/IMS Student Observation Checklist Summary

Period:	SEP 01, 1985 to JUN 05, 1986
Student Number:	565
Name:	ANN
Special Education Status:	MAJOR
Undergraduate GPA:	3.59
Grade in K205:	B+
Recommendation Quality/Scope/Sources:	5 / * / *
Number of Observations (in summary):	9
Amount of Observation Time (in summary):	169.9 minute(s)

OBSERVATION CHECKLIST SUMMARY

TEACHER BEHAVIOR: INSTRUCTION	LOW	MED	HI	NOT CODED
CONVEYANCE OF IMPORTANCE OF CURRICULUM	1	2	3	3
CONVEY IMPORTANCE OF PUPIL PERFORMANCE	1	1	4	3
USE OF TRANSITION TIME	0	1	5	3
DEGREE OF TASK-ORIENTATION	0	3	5	1
ORGANIZATION OF TIME	0	3	5	1
ORGANIZATION OF PRESENTATION	1	1	2	5
ORGANIZATION OF MATERIALS	0	1	4	4
SEQUENCING OF INSTRUCTION	0	0	4	5
PACING OF INSTRUCTION	1	0	4	4
ACCURACY OF INFORMATION PRESENTED	0	2	1	6

Press RETURN to continue >

GOAL-DIRECTEDNESS OF INSTRUCTION	0	1	2	6
USE OF MULTICULT APPROACH TO INST+CURR	0	0	2	7
USE OF NON-DISCRIM APPROACH TO INST+CURR	0	2	2	5
CLARITY OF DIRECTIONS	2	1	3	3
USE OF DIFFERENT MODES OF INSTRUCTION	0	0	3	6
DIVERSITY OF QUESTIONING PATTERNS	0	2	2	5
PROVISION OF PROMPTING CUES TO PUPILS	1	1	2	5
ACKNOWLEDGEMENT+USE OF PUPIL INPUT+IDEAS	1	1	3	4
PROVIDE FEEDBACK ON PUPIL PERFORMANCE	1	1	4	3
PROVISION FOR BASIC SKILL ACQUISITION	0	2	2	5

Press RETURN to continue >

ENHANCEMENT OF PUPILS' KNOWLEDGE BASE	0	1	1	7
PROVISION FOR SUCCESSFUL EXPERIENCES	0	1	5	3
PROVISION FOR PRACTICE OF ACQUIRED SKILL	0	1	0	8
PROVISION FOR MASTERY OF ACQUIRED SKILLS	1	1	0	7
PROVISION FOR OVERLAP OF ACQUIRED SKILLS	0	1	0	8
PROVISION FOR TRANSFER OF LRNG OF SKILLS	0	1	0	8
PROVISION FOR LANGUAGE+VOCAB DEVELOPMENT	0	1	4	4
PROVISION FOR PUPIL DECISION-MAKING	0	1	2	6
AWARENESS+ACCOMODATION OF INDIVID DIFFER	0	0	3	6
EDUCTL RELEV+SOUNDNESS OF INSTRUCTION	0	1	3	5

Press RETURN to continue >

AGE-APPROPRIAT MATERIALS+INST TECHNIQUES	0	2	3	4
ABIL-LEVEL APPROP OF MATERIALS+INST TECH	1	1	3	4
INTEREST-APPROP OF MATERIALS+INST TECH	0	1	5	3
STIMULUS VALUE OF MATERIALS+INST TECH	0	1	3	5
USE OF CLASSROOM RESOURCES	0	1	0	8
APPROPRIATENESS OF ORAL LANGUAGE PATTERN	0	3	1	5

TEACHER BEHAVIOR: BEHAVIOR MANAGEMENT	LOW	MED	HI	NOT CODED
AWARENESS OF CLASSROOM DYNAMICS	1	3	3	2
CLARIFICATION OF BEHAVIORAL EXPECTATIONS	2	2	3	2
CONTROL OF BEHAVIORAL EXPECTATIONS	0	2	0	7
USE OF REINFORCEMENT	2	0	3	4

Press RETURN to continue >

CONSISTENCY IN USE OF BEH MANAGE TECHS	2	0	2	5
ADAPTABILITY TO CHANGING SITUATIONS	0	0	4	5
DIRECTIVENESS AND ASSERTIVENESS	0	3	2	4

TEACHER BEHAVIOR: AFFECTIVE/SOCIAL	LOW	MED	HI	NOT CODED
SENSITIVITY TO PUPIL NEEDS	0	1	4	4
ABILITY TO RELATE TO PUPILS	0	2	4	3
COMMUNICATES CONCERN+SUPPORT FOR PUPILS	0	1	4	4
OBJECTIVE+FAIR IN INTERACT WITH PUPILS	0	1	4	4
MODELING OF SOCIAL & PERSONAL BEHAVIORS	0	2	3	4
CONFIDENCE DISPLAYED	0	0	5	4
ENTHUSIASM FOR ROLE	0	2	5	2

Press RETURN to continue >

USE OF HUMOR	0	1	1	7
MODERATION OF VOICE(TONE+VOLUME)	0	1	4	4
COOPERATION WITH OTHER SCHOOL PERSONNEL	0	0	2	7
OBTAINS NEEDED INFO+ASSIST FROM OTHERS	0	0	1	8
POSITIVE INTERACTION WITH PUPILS	0	1	5	3

STUDENT TASK ATTENTION	LOW	MED	HI	NOT CODED
DEGREE OF STUDENT TASK-ORIENTATION	0	1	6	2
AFFECTIVE RESPONSE OF PUPILS	0	1	4	4
LEVEL OF GROUP PARTICIPATION	0	2	4	3
RELEVANCY OF PARTICIPATION	0	1	2	6
VARIETY OF PARTICIPATION MODES	0	0	2	7

Press RETURN to continue >

DEGREE OF STUDENT TASK SUCCESS	0	0	5	4
--------------------------------	---	---	---	---

END of SUMMARY - Press RETURN to continue >

The current summary period is from SEP 01, 1985 to JUN 05, 1986

FOR what STUDENT NUMBER? [?=HELP,*=EXIT] > *

STEEL/IMS Student Observation Checklist Summary

FROM what DATE? [?=HELP,*=EXIT] > *

SIR/DBMS EDITOR READY
end SIR/DBMS interactive run.

Function 33 = SUMMARIZE EACH STUDENT'S OBSERVATION DATA

This function is used to aggregate observation data collected on students currently in the STEEL/IMS database within a specified date range. After this function is requested, a prompt is given for a beginning date, followed by a prompt for an ending date. After this information is entered, you are requested to specify the printer site where the hardcopy will be retrieved, as well as the number of copies desired. A message will appear that the request has been submitted, and that the report may be picked up in 30 minutes or less. A copy of the screen display is shown below, with a copy of the printout included on the following page.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 33

SUMMARIZE EACH STUDENT'S OBSERVATION DATA

FROM what DATE? [?=HELP, *=EXIT] ? 090185

TO what DATE? [?=HELP, *=EXIT] ? 060586

Bloomington & IUPUI Campus Printers:

Name	Location
----	-----
MZ104	= Developmental Training Center
EDUC	= Education 126 (CDC)
ED126	= Education 126 (VAX)
WCC	= Wrubel Computing Center (CDC)
DOCFORM	= WCC, HPER Building (8-1/2 x 11 white paper)
IUPUI	= IU-Purdue-Indianapolis (DECA)
IUPUIB	= IU-Purdue-Indianapolis (DECB)

Printer Name? [?=HELP, *=EXIT] ? docform

Number of Copies? [?=HELP, *=EXIT] ? 1

Your request will now be submitted for processing.
The printed copy of the information will be sent
to the printer location you specified.
Your initials will be displayed on the first page.
Please allow at least 30 minutes for processing to complete.
Thank you!

PLEASE WAIT...

38

09.51.43. SUBMIT COMPLETE. JSN IS AGIY.

STEEL/IMS Student Observation Data Summary

Period: SEP 01, 1985 to JUN 05, 1986
 Student Number: 315
 Name: TERESA
 Special Education Status: MAJOR
 Number of Observations (in summary): 9
 Amount of Observation Time (in summary): 288.4 minute(s)

OBSERVATION CODE SUMMARY

GROUP STRUCTURE	PERCENT	MINUTES
NULL	5.4%	(15.7)
WHOLE GROUP RESPONSIBILITY	73.2%	(211.0)
PARTIAL GROUP RESPONSIBILITY	11.8%	(33.9)
PART GRP RESPNS WITH ADDTL MONITORING	9.4%	(27.2)
INDIVIDUAL RESPONSIBILITY	.2%	(.7)
EDUCATIONAL ACTIVITY	PERCENT	MINUTES
NULL	11.4%	(32.7)
ACTIVE INSTRUCTION	68.1%	(196.5)
PASSIVE INSTRUCTION	19.9%	(57.3)
TRANSITION	.6%	(1.8)
TEACHER INSTRUCTIONAL BEHAVIORS	PERCENT	MINUTES
NULL	11.4%	(32.9)
PREPARATION+SUPERVISION	4.5%	(13.1)
OBSERVATIONAL MONITORING	32.2%	(92.9)
STRUCTURING+DIRECTING	6.5%	(18.8)
EXPLANATION+QUESTIONING-PLANNED	24.4%	(70.5)
EXPLANATION+QUESTIONING-NEED	2.0%	(5.7)
EVALUATIVE FEEDBACK	2.3%	(6.8)
TASK ENGAGEMENT FEEDBACK	15.9%	(45.7)
BEHAVIORAL FEEDBACK	.7%	(2.1)
STUDENT(S) BEHAVIORS (TARGET GROUP)	PERCENT	MINUTES
NULL	11.5%	(33.1)
ENGAGED-ACTIVE	51.9%	(149.6)
ENGAGED-PASSIVE	17.4%	(50.1)
NON-ENGAGED-ACTIVE	17.0%	(49.0)
NON-ENGAGED-PASSIVE	2.3%	(6.6)
STUDENT(S) BEHAVIORS (MONITORED GROUP)	PERCENT	MINUTES
ENGAGED-ACTIVE	98.6%	(26.8)
NON-ENGAGED-ACTIVE	1.4%	(.4)

Function 34 = SUMMARIZE EACH STUDENT'S CHECKLIST DATA

This function is used to aggregate checklist data collected on students currently in the STEEL/IMS database within a specified date range. After this function is requested, a prompt is given for a beginning date, followed by a prompt for an ending date. After this information is entered, you are requested to specify the printer site where the hardcopy will be retrieved, as well as the number of copies desired. A message will appear that the request has been submitted, and that the report may be picked up in 30 minutes or less. A copy of the screen display is shown below, with a copy of the printout included on the following pageS.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 34

SUMMARIZE EACH STUDENT'S CHECKLIST DATA

FROM what DATE? [?=HELP, *=EXIT] ? 090185

TO what DATE? [?=HELP, *=EXIT] ? 060586

Bloomington & IUPUI Campus Printers:

Name	Location
----	-----
MZ104	= Developmental Training Center
EDUC	= Education 126 (CDC)
ED126	= Education 126 (VAX)
WCC	= Wrubel Computing Center (CDC)
DOCFORM	= WCC, HPER Building (8-1/2 x 11 white paper)
IUPUI	= IU-Purdue-Indianapolis (DECA)
IUPUIB	= IU-Purdue-Indianapolis (DECB)

Printer Name? [?=HELP, *=EXIT] ? docform

Number of Copies? [?=HELP, *=EXIT] ? 1

Your request will now be submitted for processing.
The printed copy of the information will be sent
to the printer location you specified.
Your initials will be displayed on the first page.
Please allow at least 30 minutes for processing to complete.
Thank you!

PLEASE WAIT...

09.52.36. SUBMIT COMPLETE. JSN IS AGJG.

STEEL/IMS Student Observation Checklist Summary

Period: SEP 01, 1985 to JUN 05, 1986
 Student Number: 308
 Name: MICHELE *
 Special Education Status: MAJOR
 Number of Observations (in summary): 7
 Amount of Observation Time (in summary): 210.0 minute(s)

OBSERVATION CHECKLIST SUMMARY

TEACHER BEHAVIOR: INSTRUCTION	LOW	MED	HI	NOT CODED
CONVEYANCE OF IMPORTANCE OF CURRICULUM	0	0	6	1
CONVEY IMPORTANCE OF PUPIL PERFORMANCE	0	0	6	1
USE OF TRANSITION TIME	0	2	4	1
DEGREE OF TASK-ORIENTATION	0	3	3	1
ORGANIZATION OF TIME	0	1	6	0
ORGANIZATION OF PRESENTATION	0	1	6	0
ORGANIZATION OF MATERIALS	0	1	4	2
SEQUENCING OF INSTRUCTION	0	0	6	1
PACING OF INSTRUCTION	1	1	2	3
ACCURACY OF INFORMATION PRESENTED	0	0	5	2
GOAL-DIRECTEDNESS OF INSTRUCTION	0	0	3	4
USE OF MULTICULT APPROACH TO INST+CURR	0	0	1	6
USE OF NON-DISCRIM APPROACH TO INST+CURR	0	0	3	4
CLARITY OF DIRECTIONS	0	1	4	2
USE OF DIFFERENT MODES OF INSTRUCTION	0	0	3	4
DIVERSITY OF QUESTIONING PATTERNS	0	0	4	3
PROVISION OF PROMPTING CUES TO PUPILS	0	1	4	2
ACKNOWLEDGEMENT+USE OF PUPIL INPUT+IDEAS	0	1	4	2
PROVIDE FEEDBACK ON PUPIL PERFORMANCE	0	0	6	1
ENHANCEMENT OF PUPILS' KNOWLEDGE BASE	0	0	2	5
PROVISION FOR SUCCESSFUL EXPERIENCES	0	0	3	4
PROVISION FOR PRACTICE OF ACQUIRED SKILL	0	0	2	5
PROVISION FOR LANGUAGE+VOCAB DEVELOPMENT	0	0	1	6
PROVISION FOR PUPIL DECISION-MAKING	0	0	2	5
AWARENESS+ACCOMODATION OF INDIVID DIFFER	0	0	5	2
EDUCTL RELEV+SOUNDNESS OF INSTRUCTION	0	0	6	1
RELEVANCY OF MATS+INSTR TO CURRICULUM	0	0	1	6
COMPREHENSIVENESS OF CURRICULUM	0	0	1	6
AGE-APPROPRIAT MATERIALS+INST TECHNIQUES	0	0	6	1
ABIL-LEVEL APPROP OF MATERIALS+INST TECH	0	0	6	1
INTEREST-APPROP OF MATERIALS+INST TECH	0	0	3	4
STIMULUS VALUE OF MATERIALS+INST TECH	0	0	2	5
APPROPRIATENESS OF ORAL LANGUAGE PATTERN	1	0	3	3
LEGIBILITY OF WRITING	0	0	3	4
TEACHER BEHAVIOR: BEHAVIOR MANAGEMENT	LOW	MED	HI	NOT CODED
AWARENESS OF CLASSROOM DYNAMICS	0	2	5	0
CLARIFICATION OF BEHAVIORAL EXPECTATIONS	0	0	7	0
CONTROL OF BEHAVIORAL EXPECTATIONS	0	0	2	5
USE OF REINFORCEMENT	0	0	5	2
EFFECTIVE USE OF PUNISHMENT	0	0	2	5
USE OF NON-VERBAL CUES	0	0	1	6
CONSISTENCY IN USE OF BEH MANAGE TECHS	0	0	4	3

STEEL/IMS Student Observation Checklist Summary

ADAPTABILITY TO CHANGING SITUATIONS	0	0	5	2
DIRECTIVENESS AND ASSERTIVENESS	0	1	6	0
TEACHER BEHAVIOR: AFFECTIVE/SOCIAL	LOW	MED	HI	NOT CODED
SENSITIVITY TO PUPIL NEEDS	0	0	7	0
ABILITY TO RELATE TO PUPILS	0	0	7	0
COMMUNICATES CONCERN+SUPPORT FOR PUPILS	0	0	6	1
OBJECTIVE+FAIR IN INTERACT WITH PUPILS	0	2	4	1
MODELING OF SOCIAL & PERSONAL BEHAVIORS	0	0	5	2
CONFIDENCE DISPLAYED	0	0	4	3
ENTHUSIASM FOR ROLE	0	0	4	3
MODERATION OF VOICE(TONE+VOLUME)	0	0	6	1
COOPERATION WITH OTHER SCHOOL PERSONNEL	0	0	1	6
POSITIVE INTERACTION WITH PUPILS	0	0	6	1
STUDENT TASK ATTENTION	LOW	MED	HI	NOT CODED
DEGREE OF STUDENT TASK-ORIENTATION	0	1	4	2
AFFECTIVE RESPONSE OF PUPILS	0	0	4	3
LEVEL OF GROUP PARTICIPATION	0	0	3	4
RELEVANCY OF PARTICIPATION	0	0	3	4
VARIETY OF PARTICIPATION MODES	0	0	2	5
DEGREE OF STUDENT TASK SUCCESS	0	0	5	2

Function 35 = SUMMARIZE ALL STUDENT'S OBSERVATION DATA

This function is used to aggregate observation data collected on all students currently in the STEEL/IMS database within a specified date range. After this function is requested, a prompt is given for a beginning date, followed by a prompt for an ending date. After this information is entered, you are requested to specify the printer site where the hardcopy will be retrieved, as well as the number of copies desired. A message will appear that the request has been submitted, and that the report may be picked up in 30 minutes or less. A copy of the screen display is shown below, with a copy of the printout included on the following page.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 35

SUMMARIZE ALL STUDENT OBSERVATION DATA

FROM what DATE? [?=HELP, *=EXIT] ? 090185

TO what DATE? [?=HELP, *=EXIT] ? 060586

Bloomington & IUPUI Campus Printers:

Name	Location
----	-----
MZ104	= Developmental Training Center
EDUC	= Education 126 (CDC)
ED126	= Education 126 (VAX)
WCC	= Wrubel Computing Center (CDC)
DOCFORM	= WCC, HPER Building (8-1/2 x 11 white paper)
IUPUI	= IU-Purdue-Indianapolis (DECA)
IUPUIB	= IU-Purdue-Indianapolis (DECB)

Printer Name? [?=HELP, *=EXIT] ? docform

Number of Copies? [?=HELP, *=EXIT] ? 1

Your request will now be submitted for processing.
The printed copy of the information will be sent
to the printer location you specified.
Your initials will be displayed on the first page.
Please allow at least 30 minutes for processing to complete.
Thank you!

PLEASE WAIT...

09.53.33. SUBMIT COMPLETE. JSN IS AGJO.

STEEL/IMS Student Observation Data Summary for all students

37

Period: SEP 01, 1985 to JUN 05, 1986
 Number of Students (in summary): 75
 Number of Observations (in summary): 532
 Amount of Observation Time (in summary): 12964.3 minute(s)
 Avg. Number of Observations per Student: 7
 Avg. Amount of Observation Time per Student: 172.9 minute(s)

OBSERVATION CODE SUMMARY

GROUP STRUCTURE	PERCENT	MINUTES
NULL	2.7%	(346.4)
WHOLE GROUP RESPONSIBILITY	59.0%	(7654.6)
PARTIAL GROUP RESPONSIBILITY	18.0%	(2336.1)
PART GRP RESPNS WITH ADDTL MONITORING	6.4%	(831.8)
INDIVIDUAL RESPONSIBILITY	10.0%	(1294.3)
INDIV RESPNS WITH ADDTL MONITORING	3.7%	(476.5)
CAN'T TELL	.2%	(24.6)

EDUCATIONAL ACTIVITY	PERCENT	MINUTES
NULL	3.0%	(388.9)
ACTIVE INSTRUCTION	79.7%	(10338.7)
PASSIVE INSTRUCTION	10.3%	(1337.8)
TRANSITION	6.8%	(883.8)
CAN'T TELL	.1%	(15.1)

TEACHER INSTRUCTIONAL BEHAVIORS	PERCENT	MINUTES
NULL	2.5%	(325.7)
PREPARATION+SUPERVISION	4.9%	(638.8)
OBSERVATIONAL MONITORING	23.8%	(3087.5)
STRUCTURING+DIRECTING	18.9%	(2446.2)
EXPLANATION+QUESTIONING-PLANNED	38.7%	(5019.7)
EXPLANATION+QUESTIONING-NEED	2.8%	(369.4)
EVALUATIVE FEEDBACK	4.5%	(577.9)
TASK ENGAGEMENT FEEDBACK	1.7%	(216.5)
BEHAVIORAL FEEDBACK	2.1%	(275.8)
CAN'T TELL	.1%	(6.6)

STUDENT(S) BEHAVIORS (TARGET GROUP)	PERCENT	MINUTES
NULL	2.9%	(381.7)
ENGAGED-ACTIVE	69.0%	(8942.6)
ENGAGED-PASSIVE	17.7%	(2298.0)
NON-ENGAGED-ACTIVE	5.0%	(650.7)
NON-ENGAGED-PASSIVE	5.3%	(688.4)
CAN'T TELL	.0%	(2.9)

STUDENT(S) BEHAVIORS (MONITORED GROUP)	PERCENT	MINUTES
ENGAGED-ACTIVE	69.1%	(941.4)
ENGAGED-PASSIVE	17.8%	(243.0)
NON-ENGAGED-ACTIVE	6.3%	(86.4)
NON-ENGAGED-PASSIVE	6.0%	(81.5)
CAN'T TELL	.8%	(10.6)

Function 36 = SUMMARIZE ALL STUDENT'S CHECKLIST DATA

This function is used to aggregate checklist data collected on all students currently in the STEEL/IMS database within a specified date range. After this function is requested, a prompt is given for a beginning date, followed by a prompt for an ending date. After this information is entered, you are requested to specify the printer site where the hardcopy will be retrieved, as well as the number of copies desired. A message will appear that the request has been submitted, and that the report may be picked up in 30 minutes or less. A copy of the screen display is shown below, with a copy of the printout included on the following page.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 36

SUMMARIZE ALL STUDENT CHECKLIST DATA

FROM what DATE? [?=HELP, *=EXIT] ? 090185

TO what DATE? [?=HELP, *=EXIT] ? 060586

Bloomington & IUPUI Campus Printers:

Name	Location
----	-----
MZ104	= Developmental Training Center
EDUC	= Education 126 (CDC)
ED126	= Education 126 (VAX)
WCC	= Wrubel Computing Center (CDC)
DOCFORM	= WCC, HPER Building (8-1/2 x 11 white paper)
IUPUI	= IU-Purdue-Indianapolis (DECA)
IUPUIB	= IU-Purdue-Indianapolis (DECB)

Printer Name? [?=HELP, *=EXIT] ? docform

Number of Copies? [?=HELP, *=EXIT] ? 1

Your request will now be submitted for processing.
The printed copy of the information will be sent
to the printer location you specified.

STEEL/IMS Student Observation Checklist Summary for all students

Period: SEP 01, 1985 to JUN 05, 1986
 Number of Students (in summary): 75
 Number of Observations (in summary): 532
 Amount of Observation Time (in summary): 12964.3 minute(s)
 Avg. Number of Observations per Student: 7
 Avg. Amount of Observation Time per Student: 172.9 minute(s)

OBSERVATION CHECKLIST SUMMARY

TEACHER BEHAVIOR: INSTRUCTION	LOW	MED	HI	NOT CODED
CONVEYANCE OF IMPORTANCE OF CURRICULUM	37	117	176	202
CONVEY IMPORTANCE OF PUPIL PERFORMANCE	22	141	198	171
USE OF TRANSITION TIME	10	75	270	177
DEGREE OF TASK-ORIENTATION	8	75	351	98
ORGANIZATION OF TIME	8	72	295	157
ORGANIZATION OF PRESENTATION	4	60	246	222
ORGANIZATION OF MATERIALS	1	43	281	207
SEQUENCING OF INSTRUCTION	1	48	263	220
PACING OF INSTRUCTION	8	57	300	167
ACCURACY OF INFORMATION PRESENTED	4	39	182	307
GOAL-DIRECTEDNESS OF INSTRUCTION	5	44	283	200
USE OF MULTICULT APPROACH TO INST+CURR	5	4	55	468
USE OF NON-DISCRIM APPROACH TO INST+CURR	6	22	154	350
CLARITY OF DIRECTIONS	9	88	305	130
USE OF DIFFERENT MODES OF INSTRUCTION	22	56	139	315
DIVERSITY OF QUESTIONING PATTERNS	13	86	173	260
PROVISION OF PROMPTING CUES TO PUPILS	5	66	226	235
ACKNOWLEDGEMENT+USE OF PUPIL INPUT+IDEAS	12	86	207	227
PROVIDE FEEDBACK ON PUPIL PERFORMANCE	10	91	287	144
PROVISION FOR BASIC SKILL ACQUISITION	3	37	178	314
ENHANCEMENT OF PUPILS' KNOWLEDGE BASE	1	46	128	357
PROVISION FOR SUCCESSFUL EXPERIENCES	4	50	268	210
PROVISION FOR PRACTICE OF ACQUIRED SKILL	2	30	139	361
PROVISION FOR MASTERY OF ACQUIRED SKILLS	6	26	24	476
PROVISION FOR OVERLAP OF ACQUIRED SKILLS	7	18	35	472
PROVISION FOR TRANSFER OF LRNG OF SKILLS	9	15	32	476
PROVISION FOR LANGUAGE+VOCAB DEVELOPMENT	3	37	201	291
PROVISION FOR PUPIL DECISION-MAKING	9	42	153	328
AWARENESS+ACCOMODATION OF INDIVID DIFFER	5	68	213	246
EDUCTL RELEV+SOUNDNESS OF INSTRUCTION	4	40	228	260
RELEVANCY OF MATS+INSTR TO CURRICULUM	3	20	114	395
COMPREHENSIVENESS OF CURRICULUM	3	22	21	486
AGE-APPROPRIAT MATERIALS+INST TECHNIQUES	0	26	330	176
ABIL-LEVEL APPROP OF MATERIALS+INST TECH	2	44	278	208
INTEREST-APPROP OF MATERIALS+INST TECH	2	48	263	219
STIMULUS VALUE OF MATERIALS+INST TECH	10	58	199	265
USE OF CLASSROOM RESOURCES	19	26	84	403
APPROPRIATENESS OF ORAL LANGUAGE PATTERN	3	54	236	239
LEGIBILITY OF WRITING	1	18	80	433
APPROPRIATENESS OF WRITTEN LANGUAGE	1	15	21	495

TEACHER BEHAVIOR: BEHAVIOR MANAGEMENT	LOW	MED	HI	NOT CODED
AWARENESS OF CLASSROOM DYNAMICS	29	122	292	89

STEEL/IMS Student Observation Checklist Summary for all students

CLARIFICATION OF BEHAVIORAL EXPECTATIONS	26	111	266	129
CONTROL OF BEHAVIORAL EXPECTATIONS	10	83	97	342
USE OF REINFORCEMENT	20	107	218	187
EFFECTIVE USE OF PUNISHMENT	11	34	36	451
USE OF NON-VERBAL CUES	10	80	106	336
CONSISTENCY IN USE OF BEH MANAGE TECHS	16	55	152	309
ADAPTABILITY TO CHANGING SITUATIONS	2	30	217	283
DIRECTIVENESS AND ASSERTIVENESS	8	83	260	181
TEACHER BEHAVIOR: AFFECTIVE/SOCIAL	LOW	MED	HI	NCT CODED
SENSITIVITY TO PUPIL NEEDS	7	94	284	147
ABILITY TO RELATE TO PUPILS	1	54	369	108
COMMUNICATES CONCERN+SUPPORT FOR PUPILS	1	48	259	224
OBJECTIVE+FAIR IN INTERACT WITH PUPILS	1	34	254	243
MODELING OF SOCIAL & PERSONAL BEHAVIORS	1	38	330	163
CONFIDENCE DISPLAYED	7	51	363	111
ENTHUSIASM FOR ROLE	5	78	313	136
USE OF HUMOR	9	54	76	393
MODERATION OF VOICE(TONE+VOLUME)	6	53	297	176
COOPERATION WITH OTHER SCHOOL PERSONNEL	1	16	177	338
OBTAINS NEEDED INFO+ASSIST FROM OTHERS	3	18	65	446
TALKS WITH OTHERS RE:PUPILS OBJ+DISCRET	1	13	47	471
POSITIVE INTERACTION WITH PUPILS	1	37	334	160
STUDENT TASK ATTENTION	LOW	MED	HI	NOT CODED
DEGREE OF STUDENT TASK-ORIENTATION	17	112	315	88
AFFECTIVE RESPONSE OF PUPILS	6	88	254	184
LEVEL OF GROUP PARTICIPATION	8	79	185	260
RELEVANCY OF PARTICIPATION	1	30	186	315
VARIETY OF PARTICIPATION MODES	20	46	96	370
DEGREE OF STUDENT TASK SUCCESS	0	54	265	213

Function 41 = REPORT a STUDENT'S CRT DATA

This is an interactive function which provides a screen display of a specified student's performance on a given test. After it is requested, a prompt is given for a beginning date, followed by a prompt for an ending date. After this information is entered, you are asked for the course code, section number, and student number for the student whose CRT data you wish to examine. Finally, the objective name is requested. After this information is provided, the report will be displayed on the screen. A copy of this process is shown below.

REPORT A STUDENT'S CRT DATA (by course/section/objective)
PLEASE WAIT...

Welcome to SIR/DBMS Version 2.1.3.
Good mornings.

SIR/DBMS EDITOR READY

STEEL/IMS Student Criterion Referenced Test Report

FROM what DATE? [?=HELP,*=EXIT] > 010185

TO what DATE? [?=HELP,*=EXIT] > 032086

The current period is from JAN 01, 1985 to MAR 20, 1986

FOR what COURSE CODE? [?=HELP,*=EXIT] > P345

FOR what SECTION NUMBER? [?=HELP,*=EXIT] > 5337

FOR what STUDENT NUMBER? [?=HELP,*=EXIT] > 3038

FOR what OBJECTIVE? [?=HELP,*=EXIT] > assessment

STEEL/IMS Student Criterion Referenced Test Report

Student: NATALIE

- 3048

Course / Section: P345 / 5337

Objective: ASSESSMENT

Test Method Key

1 = SPRT

2 = CONVENTIONAL

3 = SPRT FIXED LENGTH

Item Presentation Order Key

1 = FIXED

2 = RANDOM

```
=====
Test      Test      Test      Item      Items
Date      Duration  Method  Order  Given/Right (%) /Wrons  Decision
03/07/1986  00:29      2        2        25      19      76.      6      AVERAGE
03/07/1986  00:07      2        2        25      22      88.      3      GOOD
=====
```

END of REPORT - Press RETURN to continue >

Function 42 = REPORT EACH STUDENT's CRT DATA

This function provides CRT performance data for all students in a particular course/section. After it is requested, a prompt is given for a beginning date, followed by a prompt for an ending date. After this information is entered, you are asked for the course code, section number, and objective name for the test whose performance data you wish to examine. After you provide this information, a list of printer sites is provided, and you are instructed to select one and to indicate the number of copies you wish. The job will then be submitted. An example of this process is shown below, and a sample printout provided on the following page.

```
STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 42
REPORT EACH STUDENT'S CRT DATA (by course/section/objective)
FROM what DATE? [?=HELP, *=EXIT] ? 010185
TO what DATE? [?=HELP, *=EXIT] ? 032086
FOR what COURSE CODE? [?=HELP, *=EXIT] ? K553
FOR what SECTION NUMBER? [?=HELP, *=EXIT] ? 5736
FOR what OBJECTIVE NAME? [?=HELP, *=EXIT] ? behaviormod
Bloomington & IUPUI Campus Printers:
```

Name	Location
----	-----
MZ104	= Developmental Training Center
EDUC	= Education 126 (CDC)
ED126	= Education 126 (VAX)
WCC	= Wrubel Computing Center (CDC)
DOCFORM	= WCC, HPER Building (8-1/2 x 11 white paper)
IUPUI	= IU-Purdue-Indianapolis (DECA)
IUPUIB	= IU-Purdue-Indianapolis (DECB)

```
Printer Name? [?=HELP, *=EXIT] ? mz104
```

```
Number of Copies? [?=HELP, *=EXIT] ? *
```

STEEL/IMS Student Criterion Referenced Test Data Report

Period: JAN 01, 1985 to MAR 20, 1986
 Student: LEWIS - 599
 Course / Section: K553 / 5736
 Objective: BEHAVIOR MOD

Test Method Key

1 = SPRT
 2 = CONVENTIONAL
 3 = SPRT FIXED LENGTH

Item Presentation Order Key

1 = FIXED
 2 = RANDOM

Test Date	Duration (HH:MM)	Test Method	Item Order	Given/Right	Items (%)	Wrong	Decision
12/04/1985	00:27	2	2	50	30	60.	20 NON-MASTERY

Item Number	Latency (MM:SS)	Item Judged	Item Response
1	00:30	INCORRECT	E
2	00:25	CORRECT	B
3	00:35	CORRECT	B
4	00:15	CORRECT	D
5	00:18	INCORRECT	D
6	00:09	CORRECT	E
7	00:15	CORRECT	E
8	00:29	CORRECT	A
9	00:24	CORRECT	C
10	00:21	CORRECT	B
11	00:12	INCORRECT	D
12	00:37	INCORRECT	B
13	00:25	CORRECT	E
14	00:51	CORRECT	B
15	00:19	CORRECT	A
16	00:13	INCORRECT	E
17	00:12	CORRECT	E
18	00:16	CORRECT	E
19	00:14	INCORRECT	A
20	00:18	INCORRECT	B
21	00:33	CORRECT	A
22	00:25	INCORRECT	D
23	00:11	INCORRECT	C
24	00:30	CORRECT	E
25	00:11	CORRECT	D
26	00:20	CORRECT	B
27	00:26	INCORRECT	A
28	00:32	CORRECT	D
29	00:32	CORRECT	D
30	00:13	CORRECT	A
31	00:13	CORRECT	A
32	00:33	INCORRECT	D
33	00:19	INCORRECT	E
34	00:27	INCORRECT	B
35	00:31	INCORRECT	D
36	00:12	CORRECT	A
37	00:52	INCORRECT	C
38	00:14	INCORRECT	D
39	00:37	INCORRECT	I

40	00:19	CORRECT	E
41	00:28	CORRECT	I
42	00:25	CORRECT	A
43	00:09	CORRECT	B
44	00:16	CORRECT	G
45	00:08	CORRECT	H
46	00:09	CORRECT	J
47	00:14	CORRECT	F
48	00:10	CORRECT	D
49	00:16	CORRECT	A
50	00:15	INCORRECT	BASELINE

Function 43 = ANALYZE CRT ITEMS

This function provides information on student test performance by analyzing their responses to CRT items. Again, you are asked to specify beginning and ending dates, course code, section number, and objective name. Then, a printer must be specified and the number of copies desired provided. The job will then be submitted, to be picked up later. An example of the request process is shown below, and a sample printout provided on the following page.

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? 43

ANALYZE CRT ITEMS (by course/section/objective)

FROM what DATE? [?=HELP, *=EXIT] ? 010185

TO what DATE? [?=HELP, *=EXIT] ? 060186

FOR what COURSE CODE? [?=HELP, *=EXIT] ? P345

FOR what SECTION NUMBER? [?=HELP, *=EXIT] ? 5337

FOR what OBJECTIVE NAME? [?=HELP, *=EXIT] ? assessment

Bloomington & IUPUI Campus Printers:

Name	Location
----	-----
MZ104	= Developmental Training Center
EDUC	= Education 126 (CDC)
ED126	= Education 126 (VAX)
WCC	= Wrubel Computing Center (CDC)
DOCFORM	= WCC, HPER Buildings (8-1/2 x 11 white paper)
IUPUI	= IU-Purdue-Indianapolis (DECA)
IUPUIB	= IU-Purdue-Indianapolis (DECB)

Printer Name? [?=HELP, *=EXIT] ? docform

Number of Copies? [?=HELP, *=EXIT] ? 1

Your request will now be submitted for processing.
The printed copy of the information will be sent
to the printer location you specified.
Your initials will be displayed on the first page.
Please allow at least 30 minutes for processing to complete.
Thank you!

PLEASE WAIT...

09.55.58. SUBMIT COMPLETE. JSN IS AJOA.

Function 91 = STORE the STUDENT DATABASE on MAGNETIC TAPE

This function is used only by the database manager, to save information which has been entered into the STEEL/IMS database. It unloads the SIR disk resident copy consisting of four SIMSDB files, and uses the ARCHIVE utility to copy it verbatim and store it on magnetic tape. This function is used when the database reaches its preallowed capacity limits, or when information resident on the database is outdated, e.g., when students have graduated from the program.

Function 92 = RESTORE the STUDENT DATABASE from MAGNETIC TAPE

This function allows the STEEL/IMS manager to recover the most recent copy of the STEEL/IMS database from magnetic tape and to transfer it onto disk. This function is used in situations where the most recent disk copy of student data has been corrupted. The damaged disk copy is purged and the SIR files are reloaded as they appeared during the last STORE the STUDENT DATABASE on magnetic tape operation.

Function 93 = STORE the MAIL SERVICE on MAGNETIC TAPE

This function operates in the same manner as function 91, with the exception that the MAIL SERVICE is copied and stored on magnetic tape. This function is used by the STEEL/IMS database manager or software development specialist.

Function 94 = RESTORE the MAIL SERVICE from MAGNETIC TAPE

This function allows the database manager to recover the most recent copy of the MAIL SERVICE files from magnetic tape and to transfer it onto disk. Again, this function is used only when the most recent disk copy of MAIL SERVICE files has been corrupted. The damaged disk is purged and the files are reloaded as they appeared during the last STORE the MAIL SERVICE on magnetic tape operation.

Function 95 = PRINT the ACTIVITY LOG

This function is used by the database manager to produce a printed copy of the current status of the database. When new observation records are added, this information is automatically entered into the database. The ACTIVITY LOG gives the user the current database update level, the number of records in the database, and information regarding any errors which may have occurred during transmission. When this function is selected, a list of printer sites appears, and the user must specify where they would like to retrieve the printout as well as the number of copies desired.

Function 96 = PURGE the ACTIVITY LOG

This function purges the existing activity log. It is used only by the database manager or software development specialist.

Function 97 = PRINT the ACCESS LOG

This function, used only by the database manager, produces a printed copy of users who have accessed the STEEL/IMS system, as well as the data and time the use occurred. After this function is selected, a list of printers is provided, and the user must indicate the printer they wish to have the report printed on as well as the number of copies desired.

Function 98 = PURGE the ACCESS LOG

This function purges the existing access log, and should be used only by the database manager or software development specialist.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? ①

The STEEL/IMS Mail Service commands allow you to send and receive messages to and from other individuals accessing the STEEL/IMS. It is intended to reduce or eliminate the use of paper and pencil messages as well as to increase the ease and speed with which information is relayed. Messages can be sent and/or read at your convenience, and the Service can also be used by individuals to remind themselves of important meetings or appointments.

When you access the Mail Service, you will notice the usual conventions are available. Typing a question mark (?) then <RETURN> will provide help, while typing an asterisk (*) then <RETURN> allows you to exit. Another feature of the Mail Service is that commands may be entered in 'shorthand', i.e., instead of typing an entire command, the system will recognize the command after the first letter (or letters). For instance, instead of typing MAILBOX, M is sufficient. SHOW can be selected by typing SH, and REPLY by REP. If you make a typographical error, use the <BACKSPACE> key (or CONTROL-H if you are using an Ann Arbor terminal) to correct your error, then continue typing.

[C=CONTINUE, *=EXIT] >> Your choice? ②

USERS. This command shows you the Mail Service users whom you may send mail to or receive mail from.

MAILBOX. This command allows you to select the mailbox you wish to read mail from. This is done in the following manner: M Oldmail (allows you to read old messages), or M Newmail (allows you to read new messages).

SHOW. This command shows the messages in the current mailbox, listed and numbered in descending order, with the most recent message at the top. The date, time, author, and subject of the message is also given.

READ. This command will display the most recent message sent to the mailbox you are reading mail in. If you want to read a different message in that mailbox, simply type READ followed by that message's number.

[C=CONTINUE, *=EXIT] >> Your choice? ③

REPLY. This command allows you to reply to the message you have JUST FINISHED reading. At the TEXT> prompt, type your reply. When your message is ready to send, type an asterisk (*) on a line by itself. If you choose not to send the message, type an exclamation point (!) on a line by itself, and your message will be cancelled.

DELETE. Allows you to delete a single message in the current mailbox by typing 'Delete (message number)'. You may also delete a group of messages by typing 'Delete (first message number TO last message number)'.

SEND. This command allows you to send a message to any STEEL/IMS Mail service user. After you type the command SEND, a TO> prompt will appear. Put in the name of the person you wish to send mail to and then the subject. You may use up to 16 characters to describe the subject of the message. At the TEXT> prompt, type in your message, pressing <RETURN> at the end of each line. When your message is ready to send, type an asterisk (*) on a line by itself. If you choose not to send the message, type an exclamation point (!) on a line by itself, and your message will be cancelled.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (2)

DEVELOP the MAIL SERVICE is used only by the STEEL/IMS Manager or the software development specialist. It allows these individuals to add users and to extend and/or adapt the existing version of the Mail Service function.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (3)

DEVELOP the STUDENT DATABASE is used only by the STEEL/IMS Manager or the software development specialist. It allows these individuals to add students and to extend and/or adapt the existing STEEL/IMS functions.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (4)

ADD OBSERVATION DATA to the DATABASE is used only by the STEEL/IMS Manager or the software development specialist. It allows these individuals to add observation data to the STEEL database. When this function is selected, the first prompt will ask for the Observation Data File Name, which is the file name specified when the observation records were sent. After this information is provided, the data records are formatted and added to the student database. SIMSLOG is also updated at this time.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (11)

CREATE/UPDATE a STUDENT PROFILE allows you to create demographic and academic profiles for new students and to add missing data or replace incorrect information in existing student profiles.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (12)

PURGE a STUDENT PROFILE (and all associated information) allows the STEEL/IMS Manager to remove a particular student's demographic/academic profile and observational data from the STEEL/IMS database.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (13)

The REPORT the STUDENT PROFILES function will generate a printed copy of demographic and academic information associated with individual students whose records are in the STEEL/IMS database. Information includes- name, current and permanent addresses and telephone numbers, birthdate, sex, special education status (major or minor), grade in K205, undergraduate grade point average, high school rank and class size, verbal and math SAT scores, and letter of recommendation ratings on a scale from 1 (low) to 5 (high) regarding quality, scope and sources.

After selecting function 13, the STEEL/IMS will ask you to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Student Profile data on alternate greenbar computer paper.

[C=CONTINUE, *=EXIT] >> Your choice? (C)

Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the Job request for you and notify you of the time (hour, minute, second) the Job was submitted, and the four letter Job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up your Student Profile Report at the printer site you specified. Your initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (14)

STUDENT OBSERVATION HEADER UPDATE allows the database manager to update and/or correct inaccurate tape header information. When this function is selected, the first prompt will ask for a student number. Enter the nine digit number with no hyphenation. Next, you will be asked for the observation date. Enter it as MMDDYY. The screen will then display header information and you can select the item you wish to update. When you are satisfied with the record, type an asterisk(*) and press the <RETURN> key to return to the top level, where you may repeat the sequence or type another asterisk to leave the function.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (21)

The REPORT the OBSERVATION COLLECTION STATUS (by observer) function produces a printed list of student observations by observer. The information contained in this report includes the Observer Number, Tape Number/Side/File, the date the observation was conducted, and student number (nine-digit ID number) of the teacher trainee observed.

After selecting function 21, the STEEL/IMS will ask you to specify beginning and end dates for the report, and to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DDCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Observation Collection Status (by observer) report on alternate greenbar computer paper.

[C=CONTINUE, *=EXIT] >> Your choice? (C)

Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the Job request for you and notify you of the time (hour.minute.second) the Job was submitted, that it is complete, and the four letter Job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the Observation Collection Status (by observer) report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (22)

The REPORT the OBSERVATION COLLECTION STATUS (by student number) function produces a printed list of observations by nine-digit identification numbers. The report lists the student numbers in ascending order. The additional information of - student name, the date(s) the observation(s) were conducted, the observer number, tape number/side/file number is also included.

After selecting function 22, the STEEL/IMS will ask you to specify beginning and end dates for the report, and to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Observation Collection Status (by student number) report on alternate greenbar computer paper.

EC=CONTINUE, *=EXIT] >> Your choice? (C)

Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the job request for you and notify you of the time (hour.minute.second) the job was submitted, that it is complete, and the four letter job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the Observation Collection Status (by student number) report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (23)

The REPORT the OBSERVATION COLLECTION STATUS (by student name) function produces a printed list of observations by student name. The report lists the student names in alphabetical order. After each name is the following information - student identification number, the date(s) the observation(s) were conducted, the observer number, tape number/side/file number.

After selecting function 23, the STEEL/IMS will ask you to specify beginning and end dates for the report, and to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Observation Collection Status (by student name) report on alternate greenbar computer paper.

EC=CONTINUE, *=EXIT] >> Your choice? (C)

Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the job request for you and notify you of the time (hour.minute.second) the job was submitted, that it is complete, and the four letter job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the Observation Collection Status (by student name) report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (31)

54

The SUMMARIZE A STUDENT'S OBSERVATION DATA function displays the aggregated observational records of a particular student which fall within a specified time period. The STEEL Observation System categories are sequentially displayed, with each category showing the percentage of time the activity/behavior was observed, as well as the equivalent number of minutes.

After function 31 is selected, you will be asked to specify a beginning date. This is chosen to fit your specific needs. For instance, in counseling situations, the most recent semester's records might be most appropriate, but for writing recommendation letters for graduates of the program, their cumulative observational record would provide the most representative picture of their teaching performance. The beginning date is entered as 6 digits, with a 2-digit month, day, and year. The next prompt asks for an ending date, which is entered in the same manner. You will then be asked to enter a student identification number, which is the student's nine-digit social security number.

[C=CONTINUE, *=EXIT] >> Your choice? (C)

The STEEL/IMS will then display the Observational Record for that student between the specified dates. The display includes other information as well, such as student name, program status, undergraduate grade point average, etc. When the summary ends, you will be reminded of the dates of the current summary period and asked for another student number. If you wish to use the same time period, simply enter another nine-digit student number. If you wish a different time period, press the asterisk (*) key and then the <RETURN> key, and you will be brought back to the prompt for a beginning date. Then, continue as before. To exit the function entirely, press the asterisk key in reply to the prompt for a beginning date.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (32)

The SUMMARIZE A STUDENT'S CHECKLIST DATA option displays the aggregated checklist ratings summary for a particular student which fall within a specified time period. The STEEL Checklist categories are displayed on the screen in groups of ten, with individual behaviors listed and the ratings assigned a particular behavior tallied under categories of Low, Medium, High, and Not Coded.

After function 32 is selected, you will be asked to specify a beginning date. This is chosen to fit your specific needs. For instance, in counseling situations, the most recent semester's checklist data might be most appropriate, but for writing recommendation letters for graduates of the program, their cumulative checklist record would provide the most representative picture of their behavioral ratings. The beginning date is entered as 6 digits, with a 2-digit month, day, and year. The next prompt asks for an ending date, which is entered in the same manner. You will then be asked to enter a student identification number, which is the student's nine-digit social security number.

[C=CONTINUE, *=EXIT] >> Your choice? (C)

The STEEL/IMS will then display the Checklist Summary for the student between the specified dates. The display includes other information as well, such as student name, program status, undergraduate grade point average, etc. When the summary ends, you will be reminded of the dates of the current summary period and asked for another student number. If you wish to use the same time period, simply enter another nine-digit student number. If you wish a different time period, press the asterisk (*) key and then the <RETURN> key, and you will be brought back to the prompt for a beginning date. Then, continue as before. To exit the function entirely, press the asterisk key in reply to the prompt for a beginning date.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (33)
 The SUMMARIZE EACH STUDENT'S OBSERVATION DATA function produces a printed copy of observational data collected with the STEEL Observation System. It aggregates each student's data across a specified date range and shows the total percentage of time the student was engaged in specific educational activities, as well as the equivalent number of minutes.

After selecting function 33, the STEEL/IMS will ask you to specify beginning and end dates for the report, and to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Summarize Each Student's Observation Data report on alternate greenbar computer paper.

[C=CONTINUE, *=EXIT] >> Your choice? (C)
 Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the job request for you and notify you of the time (hour.minute.second) the job was submitted, that it is complete, and the four letter job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the Observation Summary Report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (34)

The SUMMARIZE EACH STUDENT'S CHECKLIST DATA function produces a printed copy of checklist data collected with the STEEL Observation System. It aggregates each student's checklist data across a specified date range and presents the total number of times each checklist item was coded for each student. Checklist items are tallied under the categories of Low, Medium, High, and Not Coded.

After selecting function 34, the STEEL/IMS will ask you to specify beginning and end dates for the report, and to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Summarize Each Student's Checklist Data report on alternate greenbar computer paper.

[C=CONTINUE, *=EXIT] >> Your choice? (C)
 Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the job request for you and notify you of the time (hour.minute.second) the job was submitted, that it is complete, and the four letter job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the Checklist Data Report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (35)

The SUMMARIZE ALL STUDENT OBSERVATION DATA function produces a printed copy of the observational data collected with the STEEL Observation System. It aggregates the data in each category across all students, and presents the total percentage of time the students as a whole were engaged in specific educational activities, as well as the equivalent number of minutes.

After selecting function 35, the STEEL/IMS will ask you to a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Summarize All Student Observation Data report on alternate greenbar computer paper.

[C=CONTINUE, *=EXIT] >> Your choice? (C)

Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the job request for you and notify you of the time (hour.minute.second) the job was submitted, that it is complete, and the four letter job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the Summary of All Student Observation Data report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (36)

The SUMMARIZE ALL STUDENT CHECKLIST DATA function produces a printed copy of data collected with the STEEL Observation System behavior checklist. It aggregates the data in each behavior category across all students, and presents the number of instances the students as a whole received Low, Medium, High, and Not Coded checklist ratings.

After selecting function 36, the STEEL/IMS will ask you to identify a Printer Name. This is the location where you will retrieve the printed copy. Please notice that DOCFORM is the only site that will print the information on 8 1/2 by 11 inch white paper. All other sites will print the Summarize All Student Checklist Data report on alternate greenbar computer paper.

[C=CONTINUE, *=EXIT] >> Your choice? (C)

Next, you will be asked how many copies of the report are desired. The upper limit is four, so please enter a number from 1 to 4. After this information is entered, the STEEL/IMS REQUEST PROCESSOR will submit the job request for you and notify you of the time (hour.minute.second) the job was submitted, that it is complete, and the four letter job sequence name (JSN) that will uniquely identify your request.

After an approximate waiting time of 30 minutes (usually less), you may pick up the All Student Checklist Data report at the printer site specified. Your user initials will be on the top of the printed copy.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (41)

The REPORT a STUDENT'S CRT DATA is an interactive function which provides a screen display of a particular student's performance on a specific test. When you select this function, you will be asked to specify a beginning and ending date. Next, you will be asked for the course code, which is a letter followed by a three digit number. The four digit section number will also be requested, and the nine-digit student number for the student whose CRT data you are examining. Finally, you will be asked the objective name. This is a one- to fifteen-character name. After you provide this information, the CRT report will be displayed on the screen.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (42)

The REPORT EACH STUDENT'S CRT DATA is a batch Job which will provide CRT performance data for all the students in a particular course/section. After you select this function, you will be asked to specify a beginning and ending date. Next, you will be asked for the course code (a letter followed by a three digit number), section number (four digits), and objective (one- to fifteen-characters) name.

After you provide this information, you will be shown a list of printer sites. Select one, and then specify how many copies of the report you desire. The Job will then be submitted, and you may pick up the report at the printer site you selected in 30 minutes (or less).

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (43)

The ANALYZE CRT ITEMS function is a batch Job which provides information on student test performance by analyzing their responses to CRT items. When you select this function, you will be asked to specify beginning and ending dates. Next, you will be asked for the course code (a letter followed by a three digit number), a section number (four digits), and objective (one- to fifteen-characters) name.

After you provide this information, you will be shown a list of printer sites. Select one, and then specify how many copies of the report you desire. The Job will then be submitted, and you may pick up the report at the printer site you selected in 30 minutes (or less).

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (91)

The STORE the STUDENT DATABASE on magnetic tape function will unload the SIR disk resident copy (four SIMSDB files) and use the ARCHIVE utility to copy it verbatim and store it on magnetic tape. The current disk copy is left undisturbed on the disk. The output from this function is a report from SIR of Regular Unload Statistics, including the name of the unload file, its update level, the date/time of the last update, the number of cases copied, and number of records copied. An ARCHIVE report including actions taken with regard to the file written to the tape, its name, and the date and time of the tape file creation is also created. This function is used at STEEL/IMS Manager's discretion, whenever it is warranted to save new information which has been entered into the STEEL/IMS database.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (92)

The RESTORE the STUDENT DATABASE from magnetic tape function allows the STEEL/IMS Manager to recover the most recent copy of the STEEL/IMS database from magnetic tape and to transfer it onto disk. This function is used in situations where the most recent disk copy of student data has been corrupted. The damaged disk copy is purged and the SIR files are reloaded as they appeared during the last STORE the STUDENT DATABASE on magnetic tape operation.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (93)

The STORE the MAIL SERVICE on magnetic tape function operates in the same manner as the STORE the STUDENT DATABASE function, with the exception that the MAIL SERVICE is copied and stored on magnetic tape. The output report is identical in form to that of the STUDENT DATABASE report, as is the ARCHIVE listing. This function is used by the STEEL/IMS database manager or software development specialist.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (94)

The RESTORE the MAIL SERVICE from magnetic tape function allows the STEEL/IMS Manager to recover the most recent copy of the MAIL SERVICE files from magnetic tape and to transfer it onto disk. This function is used in situations where the most recent disk copy of MAIL SERVICE files has been corrupted. The damaged disk copy is purged and the MAIL SERVICE files are reloaded as they appeared during the last STORE the MAIL SERVICE on magnetic tape operation.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (95)

PRINT the ACTIVITY LOG is used by the database manager or software development specialist to produce a printed copy of the current status of the database. When new observation records are added, this information is automatically entered into the database. The ACTIVITY LOG gives the user the current database update level, the number of records in the database, and information regarding any errors which may have occurred during transmission. When this function is selected, you will be shown a list of printer locations. Specify where you would like the Activity Log to be printed, and the number of copies desired. The job will then be submitted for you, and you may pick up the report at the printer site you specified in 30 minutes (or less).

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (96)

PURGE the ACTIVITY LOG purges the existing activity log. This function should be used only by the database manager or software development specialist.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (97)

PRINT the ACCESS LOG is used by the database Manager and software development specialist. It produces a printed copy of users who have accessed the STEEL/IMS system, as well as the date and time the use occurred. When you select this function, you will be shown a list of printer locations. Specify where you would like the Access log to be printed, and the number of copies desired. The job will then be submitted for you, and you may pick up the report at the printer site you specified in 30 minutes (or less).

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (98)

PURGE the ACCESS LOG purges the existing access log. This function should be used only by the database manager or software development specialist.

EXPLAIN what Function Number? [L=LIST, *=EXIT] > ? (*)

PLEASE WAIT...

STEEL Information Management System (C)Copyright 1986 CITH/Indiana University

STEEL/IMS REQUEST PROCESSOR READY [?=HELP, *=EXIT] > ? (*)

Thank you for using the STEEL/IMS.
You will now be logged off the host computer.

PLEASE WAIT...

ON=RIETH LOG OFF 09.34.33.